

DSC-AP-0201

Abstract of the Disclosure:

In a synchronous motor with a permanent-magnet rotor for driving a washing machine to make commutation which is sensor-controlled in dependence on the rotary position of the rotor more precise, it is no longer the movement of the magnetic rotor dipole magnetic field past magnetic field sensors installed in the region of the air gap between the stator and the rotor that is interrogated. Rather an angular resolution and commutation triggering are improved by a relatively large number of actuators on an actuator disc that is non-rotatably connected directed to the rotor being interrogated. The actuators trigger, in an incremental pulse sender, counting pulses for a counter whose counting position that has been balanced up in dependence on direction of rotation specifies the instantaneous angular position of the disc and thus the rotor relative to the stator.

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